Substitute for form 1449/PTO **INFORMATION DISCLOSURE STATEMENT BY APPLICANT** *(Use as many sheets as necessary)*	*Complete if Known*	
	Application Number	10/672,045
	Filing Date	September 26, 2003
	First Named Inventor	Frederick David Gray
	Art Unit	~~3672~~ 2863
	Examiner Name	TOAN LE

Sheet	1	of	1	Attorney Docket Number	1780-03601

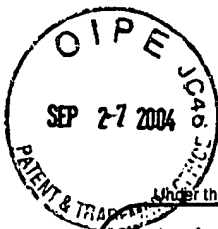### NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T^2
TL	AA	Letter from co-inventor Abdel M. ZELLOU with attached claims having annotations by Abdel M. ZELLOU (7 p.)	

Examiner Signature	*[signature]*	Date Considered	12/15/04

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.
This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete *if Known*	
Application Number	10/672,045
Filing Date	September 26, 2003
First Named Inventor	Frederick David Gray
Art Unit	~~3672~~ 2863
Examiner Name	TOAN LE

Sheet	1	of	1	Attorney Docket Number	1780-03601

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
TL	AA	GAUTHIER, B.D.M., et al., "Integrated Fractured Reservoir Characterization: A Case Study In A North Africa Field," Society Of Petroleum Engineers, Paper No. SPE 65118, October 24-24, 2000, 11 pages, Paris, France.	
TL	AB	OUENES, AHMED et al., "Fractured Reservoir Characterization And Performance Forecasting Using Geomechanics And Artificial Intelligence," Society Of Petroleum Engineers, Paper No. SPE 30572, October 22-25, 1995, pp. 425-436, Dallas, Texas.	
TL	AC	OUENES, AHMED, "Practical Application Of Fuzzy Logic And Neural Networks To Fractured Reservoir Characterization," Computers & Geosciences, 26, 2000, pp. 953-962.	
TL	AD	OUENES, AHMED et al., "Practical Use Of Neural Networks In Tight Gas Fractured Reservoirs: Application To The San Juan Basin," Society Of Petroleum Engineers, Paper No. SPE 39965, April 5-8, 1998, pp. 573-580, Denver, Colorado.	
TL	AE	ZELLOU, AHMED M. et al., "Improved Fractured Reservoir Characterization Using Neural Networks, Geomechaics And 3-D Seismic," Society Of Petroleum Engineers, Paper No. SPE 30722, October 22-25, 1995, pp. 205-215, Dallas, Texas.	
TL	AF	ZELLOU, AHMED M. et al., "Integrated Fractured Reservoir Characterization Using Neural Networks And Fuzzy Logic: Three Case Studies," Journal Of Petroleum Geology, Vol. 24, No. 4, October, 2001, pp. 459-476.	

Examiner Signature		Date Considered	12/15/04

PTO/SB/08B (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known	
Application Number	10/672,045
Filing Date	September 26, 2003
First Named Inventor	Frederick D. Gray
Art Unit	2863
Examiner Name	TOAN LE

Sheet	1	of	1	Attorney Docket Number	8645/1

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
		AHMED OUENES, Practical application of fuzzy logic and neural networks to fractured reservoir characterization, Computers & Geosciences 26, 2000, pgs. 953-962, Elsevier Science Ltd., Amsterdam, The Netherlands	
		A. OUENES, S. RICHARDSON and W.W. WEISS, Fractured Reservoir Characterization and Performance Forecasting Using Geomechanics and Artificial Intelligence, 1995, pgs. 425-436, SPE 30572, Society of Petroleum Engineers, Inc., Richardson, Texas	
		B.D.M. GAUTHIER et al., Integrated Fractured Reservoir Characterization: a Case Study in a North Africa Field, 2000, pgs. 1-11, SPE 65118, Society of Petroleum Engineers, Inc., Richardson, Texas	
		A.M. ZELLOU, A. OUENES and A.K. BANIK, Improved Fractured Reservoir Characterization Using Neural Networks, Geomechanics and 3-D Seismic, 1995, pgs. 205-215, SPE 30722, Society of Petroleum Engineers, Inc., Richardson, Texas	
		A.M. ZELLOU and A. OUENES, Integrated Fractured Reservoir Characterization Using Neural Networks and Fuzzy Logic: Three Case Studies, Journal of Petroleum Geology, October 2001, pgs. 1-16, vol. 24(a), Scientific Press Ltd., UK	
		A. OUENES et al., Practical Use of Neural Networks in Tight Gas Fractured Reservoirs: Application to the San Juan Basin, 1998, pgs. 1-8, SPE 39965, Society of Petroleum Engineers, Inc., Richardson, Texas	
		Duplicate	

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.
1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.
This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.